

IN THE CLAIMS

Please amend claims 1, 4 thru 7, 12, 13 and 15 as follows:

1           1. (Currently Amended) In an apparatus for controlling copying of content  
2 embodied in ~~[[a]]~~ an input video signal to be recorded, the apparatus comprising a video  
3 signal processor for separating a composite synchronizing signal from ~~a content~~  
4 ~~containing the~~ input video signal ~~to be recorded~~, and for performing at least one of  
5 modulating and demodulating the input video signal, *the improvement comprising:*

6           first means for receiving the composite synchronizing signal and for detecting  
7 therefrom a copy-preventing signal; and

8           second means for generating a recording-prevention control signal to stop a  
9 recording of the content contained in the input video signal when the copy-preventing  
10 signal is detected by the first means~~[[.]]~~;

11           wherein the first means comprises:

12           a pulse generator for generating a masking pulse in a predetermined interval of the  
13 composite synchronizing signal in which the copy-preventing signal is contained;

14           a first gate for providing as an output signal the composite synchronizing signal in  
15 the predetermined interval in which the masking pulse is generated;

16           an integrator for integrating the output signal from the first gate and for providing  
17 as an output an integrated signal, said integrated signal having an output level; and

18           a comparator for comparing the output level of the integrated signal with a

19 predetermined threshold value to determine whether the copy-preventing signal is ~~present~~  
20 ~~in the video signal~~ detected.

Claim 2. (Canceled)

1 3. (Previously Presented) In the apparatus of claim 1, wherein the first means  
2 includes a second gate for removing a horizontal synchronizing signal from the composite  
3 synchronizing signal in the predetermined interval in which the masking pulse is  
4 generated.

1 4. (Currently Amended) In an apparatus for controlling copying of content  
2 embodied in ~~[[a]]~~ an input video signal to be recorded, the apparatus comprising a video  
3 signal processor for separating a composite synchronizing signal from ~~a content~~  
4 ~~containing the~~ input video signal ~~to be recorded~~, and for performing at least one of  
5 modulating and demodulating the input video signal, *the improvement comprising:*

6 first means for receiving the composite synchronizing signal and for detecting  
7 therefrom a copy-preventing signal; and

8 second means for generating a recording-prevention control signal to stop a  
9 recording of the content contained in the input video signal when the copy-preventing  
10 signal is detected by the first means;

11 wherein the first means comprises a detector for indicating detection of ~~[[a]]~~ the

12 copy-preventing signal when a pulse count value in ~~[[the]]~~ a predetermined interval of the  
13 composite synchronizing signal is not less than a predetermined threshold value, said  
14 predetermined threshold value being not less than a sum of horizontal synchronizing  
15 signals and macrovision signals.

1 5. (Currently Amended) In the apparatus of claim 1, wherein the second means  
2 comprises a display unit for displaying information indicating that the content contained  
3 in the input video signal is copy-protected when the copy-preventing signal is detected by  
4 the first means.

1 6. (Currently Amended) In a method for controlling copying of content embodied  
2 in ~~[[a]]~~ an input video signal to be recorded, the method comprising the steps of  
3 separating a composite synchronizing signal from ~~a content containing~~ the input video  
4 signal ~~to be recorded~~, and performing at least one of modulating and demodulating the  
5 input video signal, the improvement comprising the further steps of:

6 (1) determining whether a copy command has been input;

7 (2) comparing a time  $T_1$  read from a timer with an initially set threshold value  $T_0$   
8 when it is determined in step (1) that the copy command has been input;

9 (3) determining whether a copy-preventing signal is present in the input video  
10 signal ~~to be recorded~~ when it is determined in step (2) that  $T_1 \geq T_0$ ; and

11 (4) refraining from copying the content embodied in the input video signal when it

12 is determined in step (3) that the copy-preventing signal is present in the input video  
13 signal ~~to be recorded~~.

1 7. (Currently Amended) In the method of claim 6, wherein step (4) further  
2 comprises displaying information indicating that the content embodied in the input video  
3 signal ~~to be recorded~~ is copy-protected.

1 8. (Previously Presented) In the method of claim 6, wherein the threshold value  $T_0$   
2 is set to a date on which aggressive protection of copyright becomes effective.

Claim 9. (Canceled)

1 10. (Previously Presented) In an apparatus for controlling copying of content  
2 embodied in a video signal, said apparatus comprising a dual deck video cassette recorder  
3 (VCR) having a reproducing deck VCR, a recording deck VCR, an FM copy signal  
4 processor for performing automatic gain control and waveform equalization without  
5 demodulating a video signal detected by a video head of the reproducing deck VCR, and a  
6 video signal processor for demodulating the video signal detected by the video head of  
7 the reproducing deck VCR and for separating a composite synchronizing signal from the  
8 demodulated video signal;

9 *the improvement comprising*

10 first means for receiving the composite synchronizing signal, and for detecting  
11 therefrom whether the composite synchronizing signal contains a copy-preventing signal;

12 second means for generating a recording-prevention control signal when the first  
13 means detects that the composite synchronizing signal contains the copy-preventing  
14 signal; and

15 third means for receiving the recording-prevention control signal and responsive  
16 thereto for causing the recording deck VCR not to record the content embodied in the  
17 video signal;

18 wherein the second means generates the recording-prevention control signal only  
19 after a date on which aggressive protection of copyright becomes effective.

20 Claim 11. (Canceled)

21 12. (Currently Amended) In the apparatus of claim 10, wherein the second means  
22 comprises a display unit for displaying [[the]] information indicating that the copy-  
23 preventing signal has been detected when the copy-preventing signal is detected.

1 13. (Currently Amended) In a process for manufacturing an apparatus for  
2 controlling copying of content embodied in [[a]] an input video signal to be recorded, the  
3 apparatus comprising a video signal processor for separating a composite synchronizing  
4 signal from ~~a content containing~~ the input video signal ~~to be recorded~~, and for performing

5 at least one of modulating and demodulating the input video signal, said process  
6 comprising the steps of:

7 (1) providing first means for receiving the composite synchronizing signal and for  
8 detecting therefrom a copy-preventing signal; and

9 (2) providing second means for generating a recording-prevention control signal  
10 adapted to stop a recording of the content embodied in the input video signal when the  
11 copy- preventing signal is detected by the first means;

12 wherein the first means comprises a detector for indicating detection of the copy-  
13 preventing signal when a pulse count value in a predetermined interval of the composite  
14 synchronizing signal is not less than a predetermined threshold value, said predetermined  
15 threshold value being not less than a sum of horizontal synchronizing signals and  
16 macrovision signals.

1 14. (Previously Presented) In a process for manufacturing an apparatus for  
2 controlling copying of content embodied in a video signal, said apparatus comprising a  
3 dual deck video cassette recorder (VCR) having a reproducing deck VCR, a recording  
4 deck VCR, an FM copy signal processor for performing automatic gain control and  
5 waveform equalization without demodulating a video signal detected by a video head of  
6 the reproducing deck VCR, and a video signal processor for demodulating the video  
7 signal detected by the video head of the reproducing deck VCR and for separating a  
8 composite synchronizing signal from the demodulated video signal; said process

9 comprising the steps of:

10 (1) providing first means for receiving the composite synchronizing signal and for  
11 detecting therefrom whether the composite synchronizing signal contains a copy-  
12 preventing signal;

13 (2) providing second means for generating a recording-prevention control signal  
14 when the first means detects that the composite synchronizing signal contains the copy-  
15 preventing signal; and

16 (3) providing third means for receiving the recording-prevention control signal  
17 and responsive thereto for causing the recording deck VCR not to record the content  
18 embodied in the video signal;

19 wherein the second means generates the recording-prevention control signal only  
20 after a date on which aggressive protection of copyright becomes effective.

1 15. (Currently Amended) In a process for manufacturing an apparatus for  
2 controlling copying of content embodied in ~~[[a]]~~ an input video signal to be recorded, the  
3 apparatus comprising a video signal processor for separating a composite synchronizing  
4 signal from ~~a content containing the input~~ the input video signal ~~to be recorded~~, and for performing  
5 at least one of modulating and demodulating the input video signal, said process  
6 comprising the steps of:

7 (1) providing first means for receiving the composite synchronizing signal and for  
8 detecting therefrom a copy-preventing signal; and

9           (2) providing second means for generating a recording-prevention control signal  
10 adapted to stop a recording of the content embodied in the input video signal when the  
11 copy- preventing signal is detected by the first means;

12           wherein the first means comprises:

13           a pulse generator for generating a masking pulse in a predetermined interval of the  
14 composite synchronizing signal in which the copy-preventing signal is contained;

15           a first gate for providing as an output signal the composite synchronizing signal in  
16 the predetermined interval in which the masking pulse is generated;

17           an integrator for integrating the output signal from the first gate and for providing  
18 as an output an integrated signal, said integrated signal having an output level; and

19           a comparator for comparing the output level of the integrated signal with a  
20 predetermined threshold value to determine whether the copy-preventing signal is ~~present~~  
21 ~~in the video signal~~ detected.